

**Amendments to the claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of claims:**

1. (Currently amended) A mosquito misting system comprising:
  - a) a fluid reservoir for containing fluid insecticide;
  - b) a misting nozzle for dispersal of fluid insecticide;
  - c) a conduit for transmitting fluid insecticide from the reservoir to the nozzle;
  - d) a pump for flowing fluid insecticide through the conduit;
  - e) an agitator having a pump for drawing outside air from an outside air inlet and into the fluid reservoir for mixing of fluid insecticide within the reservoir; and
  - f) a programmable controller for selectively operating the pump and the agitator in accordance with pre-programmed control parameters;
  - g) a transmitter for transmission of selected information relating to the system to a remote monitoring location, wherein the selected information includes an indicator of a level of fluid insecticide remaining in the fluid reservoir; and
  - h) a level sensor assembly having a plurality of floating sensor assemblies located at selected levels within the reservoir.
2. (Cancelled)

3. (Previously presented) The mosquito misting system of claim 1 further comprising a pressure switch operably associated with the fluid conduit to detect a pressure drop within the conduit and stop the pump in the event such a drop is detected.

4. (Previously presented) The mosquito misting system of claim 1 further comprising a remote control for operation of the controller.

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) The mosquito misting system of claim ~~5~~ 1 further comprising:

a pressure switch operably associated with the fluid conduit to detect a pressure drop within the conduit; and

wherein the selected information includes an indicator of low pressure within the fluid conduit.

8. (Currently amended) The mosquito misting system of claim ~~5~~ 1 further comprising:

a global positioning system for obtaining a physical location of the system; and

wherein the selected information includes information relating to a physical location of the system.

9. (Currently Amended) The mosquito misting system of claim 5 1 wherein:  
the controller includes stored programmed information identifying an owner of the  
system; and

the selected information includes information identifying an owner of the system.

10. (Previously presented) The mosquito misting system of claim 1 further  
comprising a moisture sensor for detection of rain proximate the system, the moisture  
sensor being operably associated with the controller so that detection of an unsuitable  
weather condition will result in cancellation of a spray cycle.

11-20. (Cancelled)